

**CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM**  
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B297 Gila Woodpecker *Melanerpes uropygialis*  
Family: Picidae Order: Piciformes Class: Aves

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#### DISTRIBUTION, ABUNDANCE, AND SEASONALITY

An uncommon to fairly common resident in southern California along the Colorado River, and locally near Brawley, Imperial Co. Occurs mostly in desert riparian and desert wash habitats, but also found in orchard-vineyard and urban habitats, particularly in shade trees and date palm groves. Formerly found in farm and ranchyards throughout the Imperial Valley, but most regularly now near Brawley. Numbers have declined greatly in southern California in recent decades (Remsen 1978, Garrett and Dunn 1981).

#### SPECIFIC HABITAT REQUIREMENTS

**Feeding:** Eats insects, mistletoe berries, cactus fruits, corn (Gilman 1915, Ehrlich et al. 1988), and occasionally contents of galls on cottonwood leaves, bird eggs, acorns, cactus pulp (Speich and Radke 1975). Gleans from trunks and branches of trees and shrubs.

**Cover:** Cottonwoods and other desert riparian trees, shade trees, and date palms supply cover in California. Saguaro are important habitat elements outside of California, but are scarce within the state and are not so important.

**Reproduction:** Nests in cavity in riparian tree or saguaro.

**Water:** No data found. Characteristically forages and nests in riparian areas in California.

**Pattern:** Groves of riparian trees, planted shade trees, and date palm orchards provide cover.

#### SPECIES LIFE HISTORY

**Activity Patterns:** Yearlong, diurnal activity.

**Seasonal Movements/Migration:** Resident within California. May wander in nonbreeding seasons. There are 2 old records in southern, coastal California.

**Home Range:** No data found.

**Territory:** No data found on territory size, but reportedly highly defensive of territory against all avian intruders (Gilman 1915), particularly northern flickers and European starlings (Ehrlich et al. 1988). Emlen (1974) found 0.3 pair per 40 ha (100 ac) near Tucson, Arizona.

**Reproduction:** Breeds from April through July, with peak activity in April and May. Apparently a monogamous and solitary breeder; both sexes incubate the 3-5 eggs for about 14 days. Sometimes 2 broods are raised in a season. Nestlings altricial and naked (Harrison

1978).

Niche: European starlings compete for nest sites; old nest holes also used by owls, American kestrel and purple martin. Loss and fragmentation of riparian woodland to development, and competition for nest holes from European starlings, apparently are major factors contributing to the decline in numbers in California in recent decades (Remsen 1978).

## REFERENCES

- California Department of Fish and Game. 1989. 1988 annual report on the status of California's state listed threatened and endangered plants and animals. Sacramento. 129pp.
- Ehrlich, P. R., D. S. Dobkin, and D. Wheye. 1988. The birder's handbook. Simon and Schuster, New York. 785pp.
- Garrett, K., and J. Dunn. 1981. Birds of southern California. Los Angeles Audubon Soc. 408pp.
- Harrison, C. 1978. A field guide to the nests, eggs and nestlings of north American birds. W. Collins Sons and Co., Cleveland, OH. 416pp.
- Emlen, J. T., Jr. 1974. An urban bird community in Tucson, Arizona: derivation, structure, regulation. *Condor* 76:184-197.
- Gilman, M. F. 1915. Woodpeckers of the Arizona lowlands. *Condor* 17:151-163.
- Remsen, J. V., Jr. 1978. Bird species of special concern in California. Calif. Dep. Fish and Game, Sacramento. Wildl. Manage. Admin. Rep. No. 78-1. 54pp.
- Speich, S., and W. J. Radke. 1975. Opportunistic feeding of the Gila woodpecker. *Wilson Bull.* 87:275-276. o other seed harvesters (e.g., Clark's nutcracker and pinyon jay), harvests and stores only a small portion of total metabolic requirements, and consumes nearly all acorns cached. Probably not important in oak dispersal (Koenig 1979). Various hawks apparently are predators (MacRoberts and MacRoberts 1976). Continued elimination of oaks is a threat to the existence of this species in California (Verner and Boss 1980).

## REFERENCES

- Bent, A. C. 1939. Life histories of North American woodpeckers. U.S. Natl. Mus. Bull. 174. 334pp.
- Bock, C. E., and J. H. Bock. 1974. Geographical ecology of the acorn woodpecker: diversity versus abundance of resources. *Amer. Nat.* 108:694-698.
- Curtis, T. C. 1981. Acorn woodpecker. Pages 30-31 in J. F. Hurley, S. R. Robertson, S. R. Brougher, and A. M. Palmer. Wildlife habitat capability models and habitat quality criteria for the western Sierra Nevada. U.S. Dep. Agric., For. Serv., Stanislaus Natl. For., Sonora CA. 56pp.
- Ehrlich, P. R., D. S. Dobkin, and D. Wheye. 1988. The birder's handbook. Simon and Schuster, New York. 785pp.
- Harrison, C. 1978. A field guide to the nests, eggs and nestlings of north American birds. W. Collins Sons and Co., Cleveland, OH. 416pp.
- Gutierrez, J. R., and W. D. Koenig. 1978. Characteristics of storage trees used by acorn woodpeckers in two California woodlands. *J. For.* 76:162-164.
- Koenig, W. D. 1979. Acorn storage by acorn woodpeckers in oak woodland: An energetics analysis. Pages 265-269 in T. R. Plumb, tech. coord. Proc. sympos. on ecology, management, and utilization of California oaks. U.S. Dep Agric., For Serv., Berkeley. Gen. Tech. Rep. PSW 44. 368pp.
- MacRoberts, M. H. 1970. Notes on the food habits and food defense of the acorn woodpecker. *Condor* 72:196-204.
- MacRoberts, M. H., and B. R. MacRoberts. 1976. Social organization and behavior of the acorn woodpecker in central coastal California. *Ornithol. Monogr.* No. 21. 115pp.
- Ritter, W. E. 1921. Acorn-storing by the California woodpecker. *Condor* 23:3-14.
- Ritter, W. E. 1938. The California woodpecker and I. Univ. Calif. Press, Berkeley. 340pp.

- Roberts, R. C. 1979. Habitat and resource relationships in acorn woodpeckers. *Condor* 81:1-8.
- Swearingen, E. M. 1977. Group size, sex ratio, reproductive success, and territory size in acorn woodpeckers. *West. Birds* 8:21-24.
- Van Dersal, W. R. 1940. Utilization of oaks by birds and mammals. *J. Wildl. Manage.* 4:404-428.
- Verner, J., and A. S. Boss. 1980. California wildlife and their habitats: western Sierra Nevada. U.S. Dep. Agric., For. Serv., Berkeley. Gen. Tech. rep. PSW-37. 439pp.